

L12 ANSWER 14 OF 25 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1992:447944 CAPLUS

DN 117:47944

TI Preparation of O-methylisourea sulfate

IN Takeda, Makoto; Murotani, Masahiro; Shibafuchi, Hiroshi; Sasaki, Masanori

PA Nippon Carbide Kogyo K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04089467/	A2	19920323	JP 1990-199279	19900730
	JP 2915516	B2	19990705		
PRAI	JP 1990-199279		19900730		

AB The title compd. (I) is prep'd. by treatment of O-methylisourea hydrogen sulfate with .apprx.1 equiv alk. compds. in liq. media. H₂SO₄ was added to a mixt. of MeOH and aq. cyanamide at 0-10.degree. over .apprx.3 h and CaCO₃ was added to the soln. at 20-25.degree. over .apprx.3 h to give .apprx.70% I.

ST methylisourea sulfate prep'n; isourea methyl sulfate prep'n

IT Bases, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methylisourea hydrogen sulfate)

IT ***52328-05-9P*** , O-Methylisourea hydrogen sulfate

RL: RCT (Reactant); SPN (Synthetic preparation); ***PREP
(Preparation)*** ; RACT (Reactant or reagent)
(prep'n. and reaction of, with bases)

IT ***24285-39-0P*** , O-Methylisourea sulfate

RL: SPN (Synthetic preparation); ***PREP (Preparation)***
(prep'n. of, by reaction of hydrogen sulfate salt with bases)

IT 7664-93-9, Sulfuric acid, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with cyanamide and methanol)

IT 67-56-1, Methanol, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with cyanamide and sulfuric acid)

IT 420-04-2, Cyanamide

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methanol and sulfuric acid)

IT 471-34-1, Calcium carbonate, reactions

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with methylisourea hydrogen sulfate)

IT ***52328-05-9P*** , O-Methylisourea hydrogen sulfate

RL: RCT (Reactant); SPN (Synthetic preparation); ***PREP
(Preparation)*** ; RACT (Reactant or reagent)
(prep'n. and reaction of, with bases)

RN 52328-05-9 CAPLUS

CN Carbamimidic acid, methyl ester, sulfate (2:1) (9CI) (CA INDEX NAME)

CM 1